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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/794,851DATE: 08/22/97  
TIME: 14:56:26Team 1 <sup>#5</sup> FDP

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SEP 3 1997  
GROUP 1800

INPUT SET: S19830.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

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## SEQUENCE LISTING

## (1) General Information:

(i) APPLICANT: Barany, Francis  
Barany, George  
Hammer, Robert P.  
Kempe, Maria  
Blok, Herman  
Zirvi, Monib

(ii) TITLE OF INVENTION: DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION REACTION WITH  
ADDRESSABLE ARRAYS

(iii) NUMBER OF SEQUENCES: 16

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP  
(B) STREET: Clinton Square, P.O. Box 1051  
(C) CITY: Rochester  
(D) STATE: New York  
(E) COUNTRY: U.S.A.  
(F) ZIP: 14603

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/794,851  
(B) FILING DATE: 04-FEB-1997  
(C) CLASSIFICATION:

## (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 60/011,359  
(B) FILING DATE: 09-FEB-1996

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Goldman, Michael L.  
(B) REGISTRATION NUMBER: 30,727  
(C) REFERENCE/DOCKET NUMBER: 19603/461

## (ix) TELECOMMUNICATION INFORMATION:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/794,851DATE: 08/22/97  
TIME: 14:56:28

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47 (A) TELEPHONE: (716) 263-1304  
48 (B) TELEFAX: (716) 263-1600  
49  
50

51 (2) INFORMATION FOR SEQ ID NO:1:  
52

53 (i) SEQUENCE CHARACTERISTICS:  
54 (A) LENGTH: 10 base pairs  
55 (B) TYPE: nucleic acid  
56 (C) STRANDEDNESS: single  
57 (D) TOPOLOGY: linear  
58

59 (ii) MOLECULE TYPE: cDNA  
60  
6162 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
6364 CACACACACA  
65  
66

10

67 (2) INFORMATION FOR SEQ ID NO:2:  
68

69 (i) SEQUENCE CHARACTERISTICS:  
70 (A) LENGTH: 24 base pairs  
71 (B) TYPE: nucleic acid  
72 (C) STRANDEDNESS: single  
73 (D) TOPOLOGY: linear  
74  
75

76 (ii) MOLECULE TYPE: cDNA  
77  
7879 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
8081 TGC GGGTACA GCACCTACCT TGCG  
82  
83

24

84 (2) INFORMATION FOR SEQ ID NO:3:  
85

86 (i) SEQUENCE CHARACTERISTICS:  
87 (A) LENGTH: 24 base pairs  
88 (B) TYPE: nucleic acid  
89 (C) STRANDEDNESS: single  
90 (D) TOPOLOGY: linear  
91  
92

93 (ii) MOLECULE TYPE: cDNA  
94  
9596 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
97  
98  
99

RAW SEQUENCE LISTING  
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100 ATCGGGTAGG TAACCTTGCG TGCG

24

101

102 (2) INFORMATION FOR SEQ ID NO:4:

103

104 (i) SEQUENCE CHARACTERISTICS:

105 (A) LENGTH: 24 base pairs

106 (B) TYPE: nucleic acid

107 (C) STRANDEDNESS: single

108 (D) TOPOLOGY: linear

109

110 (ii) MOLECULE TYPE: cDNA

111

112

113

114

115 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

116

117 CAGCGGTAGA CCACCTATCG TGCG

24

118

119 (2) INFORMATION FOR SEQ ID NO:5:

120

121 (i) SEQUENCE CHARACTERISTICS:

122 (A) LENGTH: 24 base pairs

123 (B) TYPE: nucleic acid

124 (C) STRANDEDNESS: single

125 (D) TOPOLOGY: linear

126

127 (ii) MOLECULE TYPE: cDNA

128

129

130

131

132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

133

134 GGTAGGTAAC CTACCTCAGC TGCG

24

135

136 (2) INFORMATION FOR SEQ ID NO:6:

137

138 (i) SEQUENCE CHARACTERISTICS:

139 (A) LENGTH: 24 base pairs

140 (B) TYPE: nucleic acid

141 (C) STRANDEDNESS: single

142 (D) TOPOLOGY: linear

143

144 (ii) MOLECULE TYPE: cDNA

145

146

147

148

149 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

150

151 GACCGGTATG CGACCTGGTA TGCG

24

152

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/794,851DATE: 08/22/97  
TIME: 14:56:33

INPUT SET: S19830.raw

153 (2) INFORMATION FOR SEQ ID NO:7:

154

155 (i) SEQUENCE CHARACTERISTICS:

156 (A) LENGTH: 24 base pairs

157 (B) TYPE: nucleic acid

158 (C) STRANDEDNESS: single

159 (D) TOPOLOGY: linear

160

161 (ii) MOLECULE TYPE: cDNA

162

163

164

165

166 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

167

168 ATCGGGTAGG TAACCTTGCG TGCG

24

169

170 (2) INFORMATION FOR SEQ ID NO:8:

171

172 (i) SEQUENCE CHARACTERISTICS:

173 (A) LENGTH: 24 base pairs

174 (B) TYPE: nucleic acid

175 (C) STRANDEDNESS: single

176 (D) TOPOLOGY: linear

177

178 (ii) MOLECULE TYPE: cDNA

179

180

181

182

183 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

184

185 GGTAGGTAAC CTACCTCAGC TGCG

24

186

187 (2) INFORMATION FOR SEQ ID NO:9:

188

189 (i) SEQUENCE CHARACTERISTICS:

190 (A) LENGTH: 24 base pairs

191 (B) TYPE: nucleic acid

192 (C) STRANDEDNESS: single

193 (D) TOPOLOGY: linear

194

195 (ii) MOLECULE TYPE: cDNA

196

197

198

199

200 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

201

202 ATCGGGTAGG TAACCTTGCG TGCG

24

203

204 (2) INFORMATION FOR SEQ ID NO:10:

205

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/794,851DATE: 08/22/97  
TIME: 14:56:35

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206 (i) SEQUENCE CHARACTERISTICS:  
207 (A) LENGTH: 24 base pairs  
208 (B) TYPE: nucleic acid  
209 (C) STRANDEDNESS: single  
210 (D) TOPOLOGY: linear

211

212 (ii) MOLECULE TYPE: cDNA

213

214

215

216

217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

218

219 GGTAGGTAAC CTACCTCAGC TGC

24

220

221 (2) INFORMATION FOR SEQ ID NO:11:

222

223 (i) SEQUENCE CHARACTERISTICS:  
224 (A) LENGTH: 24 base pairs  
225 (B) TYPE: nucleic acid  
226 (C) STRANDEDNESS: single  
227 (D) TOPOLOGY: linear

228

229 (ii) MOLECULE TYPE: cDNA

230

231

232

233

234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

235

236 ATCGGGTAGG TAACCTTGCG TGC

24

237

238 (2) INFORMATION FOR SEQ ID NO:12:

239

240 (i) SEQUENCE CHARACTERISTICS:  
241 (A) LENGTH: 24 base pairs  
242 (B) TYPE: nucleic acid  
243 (C) STRANDEDNESS: single  
244 (D) TOPOLOGY: linear

245

246 (ii) MOLECULE TYPE: cDNA

247

248

249

250

251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

252

253 CAGCACCTGA CCATCGATCG CAGC

24

254

255 (2) INFORMATION FOR SEQ ID NO:13:

256

257 (i) SEQUENCE CHARACTERISTICS:  
258 (A) LENGTH: 24 base pairs

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/794,851**

DATE: 08/22/97  
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